

Figure 1A
TR-11

6503184

1 GCACTTCACCTGGGTCGGGATTCTCAGGTCATGAACGGTCCCAGCCACCTCCGGGCAGGG 60

61 CGGGTGAGGACGGGGACGGGGCGTGTCCAACCTGGCTGTGGGCTCTTGAAACCCGAGCATG 120
1 M 1

121 GCACAGCACGGGGCGATGGGCGCGTTTCGGGGCCCTGTGCGGCCCTGGCGCTGCTGTGCGCG 180
2 A O H G A M G A F R A L C G L A L L C A 21

181 CTCAGCCTGGGTCAGCGCCCCACCGGGGTCCCGGGTGC GGCCCTGGGCGCCCTCCTGCTTT 240
22 L S L G Q R P T G G P G C G P G R L L L 41

241 GGGACGGGAACGGACGCGCGCTGCTGCCGGGTTCACACGACGCGCTGCTGCCGCGATTAC 300
42 G T G T D A R C C R V H T T R C C R D Y 61

301 CCGGGCGAGGAGTGTGTTCAGTGGGACTGCATGTGTGTCCAGCCTGAATTCACCTGC 360
62 P G E E C C S E W D C M C V Q P E F H C 81
CD-II

361 GGAGACCCCTTGCTGCACGACCTGCCGGCACCACCTTGTCCTCCAGGCCAGGGGTACAG 420
82 G D P C C T T C R H H P C P P G Q G V Q 101
CD-III

421 TCCCAGGGGAAATTCAGTTTTCAGTGTATCGACTGTGCCCTCGGGGACCTTCTCC 480
102 S Q G K F S F G F Q C I D C A S G T F S 121
CD-IV

481 GGGGGCCACGAAGGCCACTGCAAACTTGGACAGACTGCACCCAGTTTCGGGTTCCTCACT 540
122 G G H E G H C K P W T D C T Q F G F L T 141
CD-V

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541 GTGTTCCCTGGGAACAAGACCCACAACGCTGTGTGCGTCCCAGGGTCCCCGCCGGCAGAG 600
142 V F P G N K T H N A V C V P G S P P A E 161
CD-VI

601 CCGCTTGGGTGGCTGACCGTCGTCCTCCTGGCCGTGGCCGCTGCGTCTCTCTCTGACC 660
162 P L G W L T V V L L A V A A C V L L L T 181
CD-VII

661 TCGGCCAGCTTGGACTGCACATCTGGCAGCTGAGGAAGACCCAGCTGCTGCTGGAGGTG 720
182 S A Q L G L H I W Q L R K T Q L L L E V 201
CD-VII

721 CCGCCGTCGACCGAAGACGCCAGAAGCTGCCAGTTCCCCGAGGAAGAGCGGGGCGAGCGA 780
202 P P S T E D A R S C Q F P E E E R G E R 221
CD-IX

781 TCGGCAAGAGAGAAGGGGCGGCTGGGAGACCTGTGGGTGTGAGCCTGGCCGTCCTCCGGG 840
222 S A E E K G R L G D L W V 234
CD-X

841 GCCACCGACCGCAGCCAGCCCTCCCCAGGAGCTCCCCAGGCCGAGGGGCTCTGCGTTC 900

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961 CCAGCGCCCTGGACCATGCAGTT 983

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[illegible]

3

961 GTGGGTGCAGGAAGGTGGCAGTGACCAGCGCCCTGGACCATGCAGTT 1007

4

901 GCCCTGCAGGAGGGAGAGAGAGACACAGTCAATGGCCCCCTTCCTCCCTTGCTGGCCCTGA 960

961 TGGGGTGGGGTCTTAGGACGGGAGGCTGTGTCCGTGGGTGTGCAGTGCCACGACGGGAC 1020

1021 CCGGCTGCAGGGGACCTTCAATAAACTTGTCCAGTAAAAAAAAAAAAAAAAAAAA 1074

6

1	M	-	-	-	-	G	A	W	A	M	L	Y	G	V	S	M	L	C	V	L	D	L	G	Q	P	S	V	V	E	E	P	G	C	G	P	G	K	V	Q	N	G	S	G	N	N	T	R	C	mGTR.aa		
1	M	A	Q	H	G	A	M	G	A	F	R	A	L	C	G	L	A	L	C	A	L	S	L	G	Q	R	P	T	-	G	G	P	G	C	G	P	G	R	L	L	G	T	G	T	D	A	R	C	TR11.aa		
1	M	A	P	-	G	E	R	D	S	W	-	-	-	-	-	-	-	-	-	-	I	N	P	G	P	D	S	Q	-	P	G	A	L	C	S	L	E	P	T	V	G	E	R	T	S	L	P	TR11SV1.aa			
1	M	-	-	-	-	-	-	-	-	G	A	F	R	A	L	C	G	L	A	L	C	A	L	S	L	G	Q	R	P	T	-	G	G	P	G	C	G	P	G	R	L	L	G	T	G	T	D	A	R	C	TR11SV2.aa

45	C	S	L	Y	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	G	K	E	D	C	P	K	E	R	C	I	C	V	T	P	E	Y	H	C	G	D	P	Q	C	K	mGTR.aa			
50	C	R	V	H	T	T	R	C	C	R	D	Y	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	TR11.aa			
38	W	R	A	E	G	R	P	G	E	E	G	A	S	A	Q	L	L	G	G	W	P	V	S	C	P	G	E	E	C	C	S	E	W	D	C	M	C	V	Q	P	E	F	H	C	G	D	P	C	T	TR11SV1.aa
44	C	R	V	H	T	T	R	C	C	R	D	Y	P	A	Q	L	L	G	G	W	P	V	S	C	P	G	E	E	C	C	S	E	W	D	C	M	C	V	Q	P	E	F	H	C	G	D	P	C	T	TR11SV2.aa

76	I	C	K	H	Y	P	C	Q	P	G	Q	R	V	E	S	Q	G	D	I	V	F	G	F	R	C	V	A	C	A	M	G	T	F	S	A	G	R	D	G	H	C	R	L	W	T	N	C	S	Q	F	mGTR.aa
88	T	C	R	H	H	P	C	P	P	G	Q	G	V	Q	S	Q	G	K	F	S	F	G	F	Q	C	I	D	C	A	S	G	T	F	S	G	H	E	G	H	C	K	P	W	T	D	C	T	Q	F	TR11.aa	
88	T	C	R	H	H	P	C	P	P	G	Q	G	V	Q	S	Q	G	K	F	S	F	G	F	Q	C	I	D	C	A	S	G	T	F	S	G	H	E	G	H	C	K	P	W	T	D	C	T	Q	F	TR11SV1.aa	
94	T	C	R	H	H	P	C	P	P	G	Q	G	V	Q	S	Q	G	K	F	S	F	G	F	Q	C	I	D	C	A	S	G	T	F	S	G	H	E	G	H	C	K	P	W	T	D	C	T	Q	F	TR11SV2.aa	

126	G	F	L	T	M	F	P	G	N	K	T	H	N	A	V	C	I	P	E	P	L	P	T	E	Q	Y	G	H	L	T	V	I	F	L	V	M	A	C	I	F	F	L	T	V	Q	L	G	L	mGTR.aa	
138	G	F	L	T	V	F	P	G	N	K	T	H	N	A	V	C	V	P	G	S	P	P	A	E	E	P	L	G	W	L	T	V	V	L	L	A	V	A	C	V	L	L	T	S	A	Q	L	G	L	TR11.aa
138	G	F	L	T	V	F	P	G	N	K	T	H	N	A	V	C	V	P	G	S	P	P	A	E	E	P	L	G	W	L	T	V	V	L	L	A	V	A	C	V	L	L	T	S	A	Q	L	G	L	TR11SV1.aa
144	G	F																																																

Figure 4A

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Figure 4B

[illegible]